

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Inventor(s): Oliver P. Leisien
 Serial No.: 09/204,863
 Filed: December 3, 1998
 Title: An Antenna

PATENT APPLICATION

Group: 2821
 Examiner: T. Ho

JUN 14 2000

TECHNOLOGY CENTER 2800
SPECIAL PROGRAM CENTERTERMINAL DISCLAIMER TO OBLIGATE A DOUBLE-PATENTING REJECTION OVER A PRIOR PATENT

Assistant Commissioner for Patents
 Washington, D.C. 20531

Dear Sir:

Symmetricom, Inc., the owner of 100% interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. 154 to 156 and 173, as presently shortened by any terminal disclaimer, of prior Patent No. 5,854,608. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the parties, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 to 156 and 173 of the prior patent, as presently shortened by any terminal disclaimer, in the event that it later, expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 C.P.R. 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. For submission on behalf of any organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the organization.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 101, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2. The undersigned is an attorney of record.

Date: May 31, 2000

650 Page Mill Road
 Palo Alto, CA 94304
 (650) 493-3900

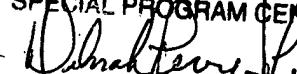
Symmetricom, Inc.


 Thomas W. Stepp
 Chief Executive Officer

TERMINAL DISCLAIMER APPROVED

JUN 14 2000

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 Deborah Perry-Leeper
 Paralegal Specialist
 Technology Center 2800

Charge Deposit Account 23-24 is the sum of \$110.00 for a large entity for the terminal disclaimer fee and for any deficiency.
 PTO suggested wording for terminal disclaimer was:
 unchanged changed (if changed, an explanation should be supplied. Explanation:

>>Certification under 37 C.F.R. 3.75(b) is required if terminal disclaimer is signed by the assignee.<

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STATEMENT UNDER 37 CFR 1.73(b)

Applicant/Patent Owner: Symmetricom, Inc.

Application No./Patent No.: 09/204,863

Filed/Issue Date: December 3, 1998

Entitled: An Antenna

Symmetricom, Inc.

(Name of Assignee)

a Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title and interest; or
- an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 10028, Frame 0923, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s) of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
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3. From: _____ To: _____
The document was recorded in the Patent and Trademark office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 2, if the assignment is to be recorded in the records of the PTO. See MPEP 902-2.8)

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

May 31, 2000

Date

Signature

Thomas W. Steipp

Typed or printed name

Chief Executive Officer

Title

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Burden Hour Statement: This form is estimated to take 0.3 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FAX OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CANRPORT/BLAPAL/Div 1/139670.1



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 19, 1999

PTAS

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PALO ALTO, CA 94304-1050



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/03/1998

REEL/FRAME: 010028/0923
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEISTEN, OLIVER P.

DOC DATE: 11/28/1994

ASSIGNEE:

SYMMETRICOM, INC.
85 WEST TASMAN DRIVE
SAN JOSE, CALIFORNIA 95143-1703

SERIAL NUMBER: 09204863

FILING DATE: 12/03/1998
ISSUE DATE:

PATENT NUMBER:

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DOROTHY RILEY, PARALEGAL
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FORM MTO-1593

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HEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Oliver P. LEISTEN

12-3-98

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: November 28, 1994

2. Name and address of receiving party(ies):

Name: Symmetricom, Inc.

Street Address: 85 West Tasman Drive

City: San Jose, CA 95143-1703

JC544 U.S. PTO
09/20/98

12/03/98

Additional name(s) & address(es) attached?

Yes No

4. Application number(s) or patent number(s):

09/504863

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): Filed herewith

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark A. Hayes
 Internal Address: 1117-1
 Wilson Sonsini Goodrich & Rosati
 650 Page Mill Road
 Palo Alto, CA 94304-1050

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 21-2415
 (Attorney Docket No.: 20676-712)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

George A. Willman, Reg. No. 41,778
 Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: [3]

12/09/1998 00000060 232415 09294863
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ASSIGNMENT

Attorney Docket No. _____

Insert Name of Inventor

OLIVER PAUL LEISTEN

Insert Address of Inventor

90 Wegg Farm Road
 Durton
 Northampton
 NN3 6HZ
 England

In consideration of the sum of one dollar (\$1.00)
 and other good and valuable considerations paid to
 each of the undersigned, the undersigned agree(s) to
 assign, and hereby does assign, transfer and set
 over to

Insert name of Assignee

SYMMETRICOM, INC.

Insert state of Incorporation of Assignee

CALIFORNIA, USA

Insert address of Assignee

of 85 WEST TASMAN DRIVE, SAN JOSE,
 CALIFORNIA 95143-1703, USA

(hereinafter designated as the Assignee) the entire
 worldwide right, title and interest in the invention
 known as

Insert identification of Invention, such
 as Title, Case Number or Foreign
 Application Number

AN ANTENNA

(Case No. _____)
 for which the undersigned has (have) executed an
 application for patent in the United States of
 America

Insert Date of Signing of Application

on

1) The undersigned agree(s) to execute all papers necessary in connection with an
 application in each of the countries of Schedule A and any continuing or divisional
 applications thereof and also to execute separate assignments in connection with such
 applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any
 interference which may be declared concerning this application or continuation or division
 thereof and to cooperate with the Assignee in every way possible in obtaining evidence
 and going forward with such interference.

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